



## Possum Point Power Station

# Agenda

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- Introductions (1:00-1:15pm)
- Briefing and Discussion (1:15-1:45pm)
- Pre-Tour Safety Briefing and Tour (1:45-2:30)

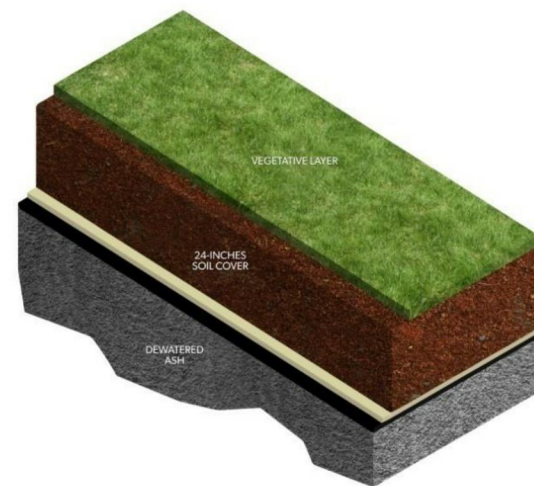
# Possum Point Power Station

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- Dominion Virginia Power
- In operation since 1948
- 650+ Acres in Prince William County
- Coal units converted to natural gas in 2003
- Natural gas and oil-fueled power generation
- 1661 MW generating capacity, enough electricity to help power more than 415,000 homes
- 108 employees

# Coal Ash Ponds – Closure Plan

- Move ash from A, B, C and E ponds to clay-lined D pond
- Clean close A, B, C, and E ponds
- Place High Density Polyethylene (HDPE) cap and cover on D pond
- Target completion spring 2018





# Treated Wastewater Discharge

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**All wastewater will be treated and tested prior to discharge.  
Dominion will not discharge any untreated wastewater.**

- Possum Point received a water permit modification in January 2016 to allow removal of water from D pond. A water treatment process will be used to treat all discharges from the pond..
- Public input resulted in increased stringency of the final permit issued by the State Water Control Board.
- Submitted Concept Engineering Report (CER) to DEQ for approval of the wastewater treatment design on February 12, 2016.
- Prior to water discharge –
  - Dominion will complete a “dry-run” of treatment system (without discharging) to ensure technology is working properly.
  - Water will be tested by a 3<sup>rd</sup> party to ensure all discharges meet permit limits.
- Water discharges anticipated to start in March 2016.

# Permitting and Closure Process – Next Steps

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## Solid Waste Permit

- Additional solid waste permit required to address cap design, groundwater monitoring and inspections with opportunity for public notice and comment.
- Anticipate draft solid waste permit will be available in March 2016, DEQ public hearing in April 2016.

## Continued Community Outreach

- Letters sent to residents
- Outreach to community groups

# Possum Point Pre-Existing Conditions



## PRE-EXISTING CONDITION

Virginia Electric and Power Company  
Possum Point Power Station

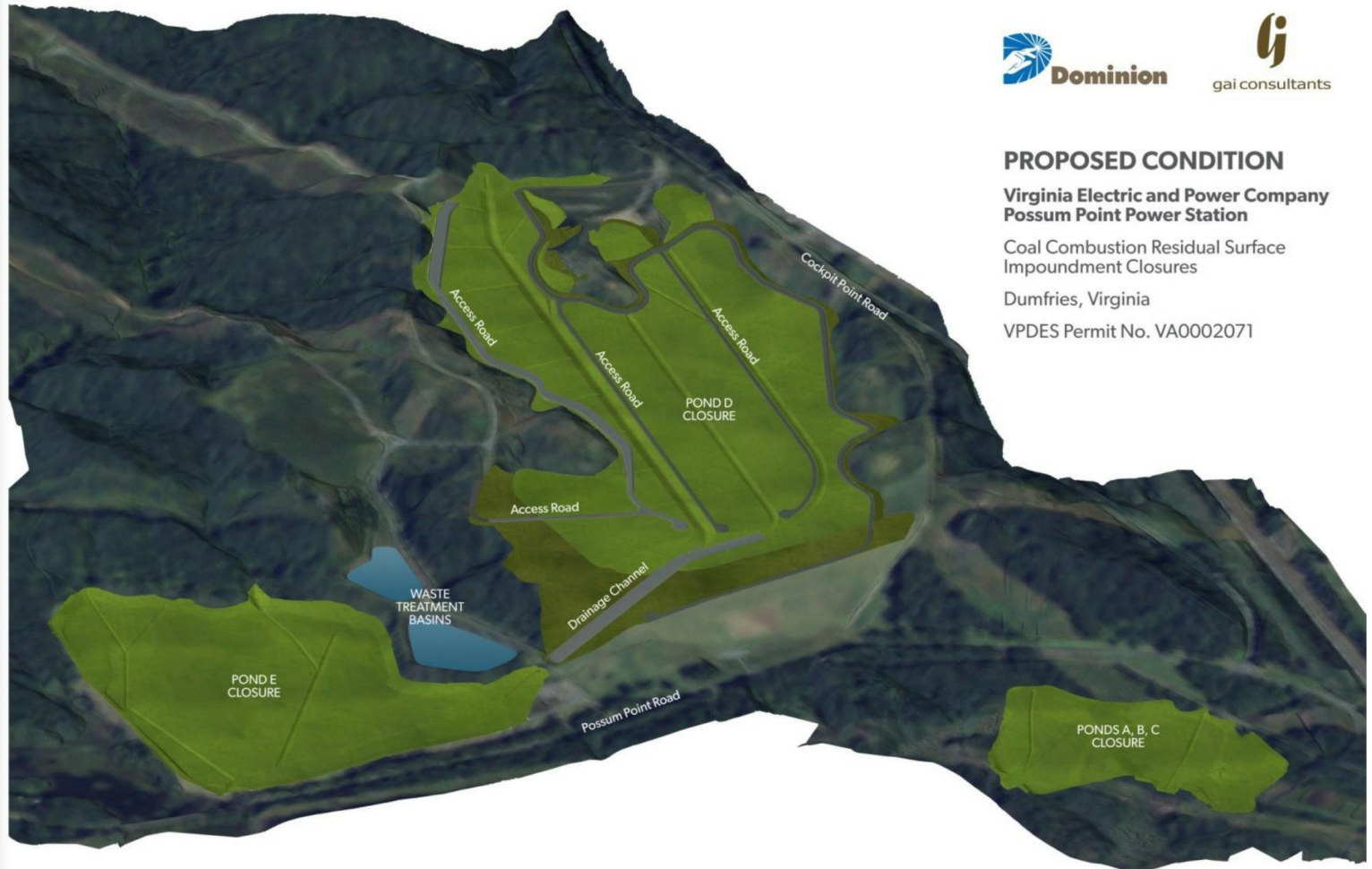
Coal Combustion Residual Surface  
Impoundment Closures

Dumfries, Virginia

VPDES Permit No. VA0002071



# Possum Point Post Closure Rendering



## PROPOSED CONDITION

**Virginia Electric and Power Company  
Possum Point Power Station**

Coal Combustion Residual Surface  
Impoundment Closures

Dumfries, Virginia

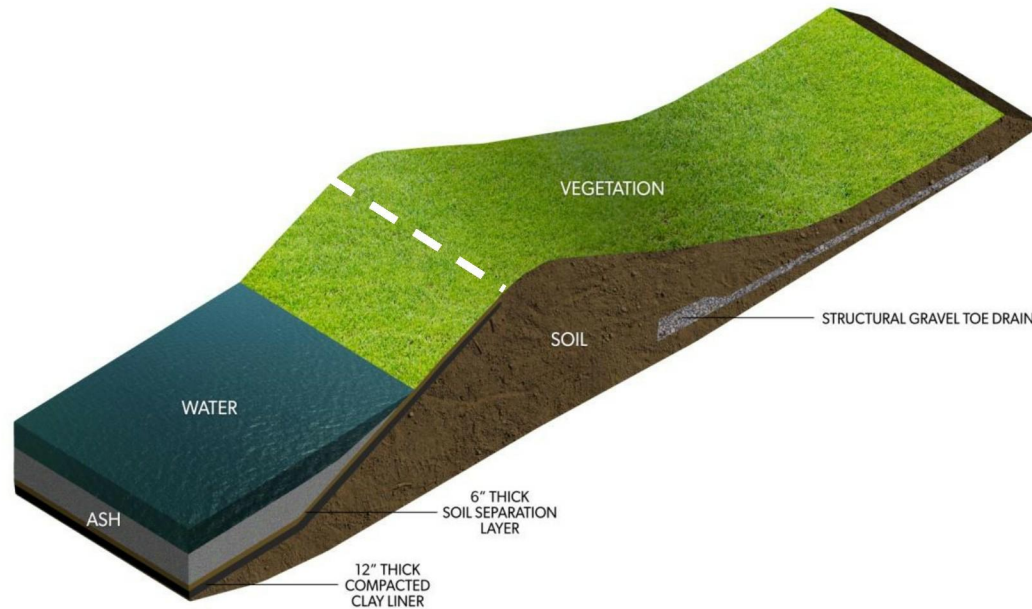
VPDES Permit No. VA0002071



# Appendix

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# Toe Drain



## STRUCTURAL GRAVEL TOE DRAIN : POND D

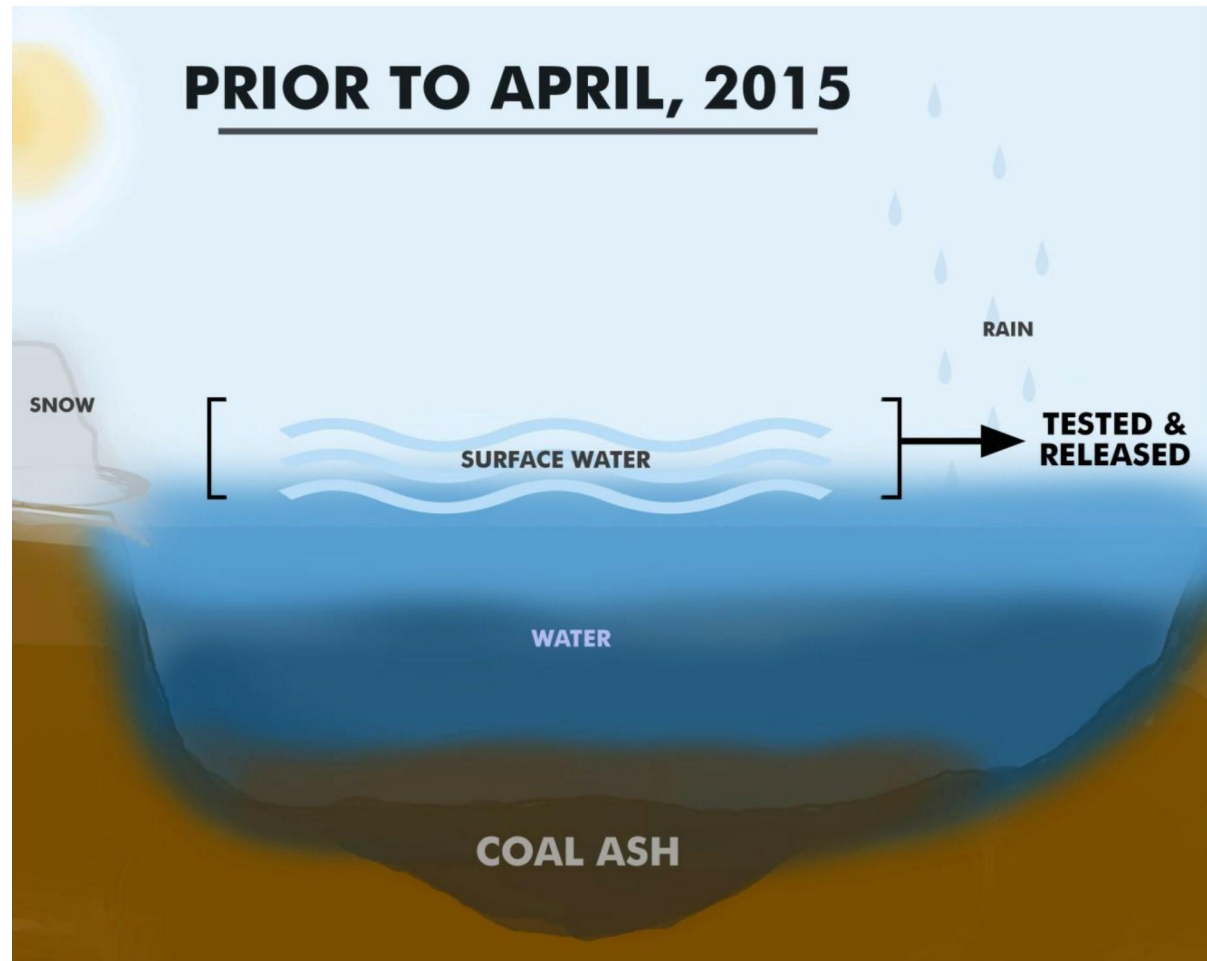
Virginia Electric and Power Company  
Possum Point Power Station

Coal Combustion Residual Surface  
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# Historical Discharges, Prior to 2015





# Wastewater Discharge

## Additional Conditions Required in Final Permit

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- Public input resulted in increased stringency of the final permit issued by the State Water Control Board (see slide 12).
  - applying effluent limits to the discharge from a collection drain and stormwater at the largest pond into Quantico Creek;
  - limiting the drawdown of pond surface water to 6 inches per day, except as approved by the Department of Conservation and Recreation;
  - increasing the sampling of ash pond discharge from once per week to three times per week, with a shorter reporting timeline as well;
  - requiring the submission of a conceptual engineering plan for DEQ approval prior to implementing treatment system;
  - putting into place more stringent effluent limits for all ash pond discharges; and
  - requiring the company to immediately cease discharge if effluent limit is exceeded and to submit corrective action plan for approval before restarting.